

# GET

The screenshot displays three terminal windows. The top window, titled 'Terminal - go run main.go', shows the execution of a REST API client. It logs a POST request at 05:34:26 and a GET request at 05:35:35. The GET request to 'http://localhost:9090/webapi/v1/project/1' returns a 200 status with 62B of data in 618.18µs. The middle window, titled 'Terminal - mysql -u resapi\_rw -p', shows a SQL query 'select \* from project;' which returns two rows: (1, ABC, XYZ) and (2, BBBB, ZZZZ). The bottom window, titled 'Terminal - unknown@unknown: ~', shows the curl commands used to interact with the API, including the GET request that corresponds to the log in the top window.

```
Terminal - go run main.go
+ rest-api git:(master) x go run main.go
2020/04/11 05:34:26 "POST http://localhost:9090/webapi/v1/project HTTP/1.1" from 127.0.0.1:54072 - 200 54B in 52.614738ms
2020/04/11 05:34:45 "POST http://localhost:9090/webapi/v1/project HTTP/1.1" from 127.0.0.1:54074 - 200 58B in 56.468452ms
2020/04/11 05:35:35 "GET http://localhost:9090/webapi/v1/project/1 HTTP/1.1" from 127.0.0.1:54076 - 200 62B in 618.18µs

Terminal - mysql -u resapi_rw -p
mysql> select * from project;
+----+-----+-----+
| pid | pname | pmanager |
+----+-----+-----+
| 1   | ABC   | XYZ      |
| 2   | BBBB  | ZZZZ     |
+----+-----+-----+
2 rows in set (0.00 sec)

mysql>

Terminal - unknown@unknown: ~
+ ~ curl -X POST -d '{"pname":"ABC","pmanager":"XYZ"}' http://localhost:9090/webapi/v1/project
{"status":200,"data":{"pname":"ABC","pmanager":"XYZ"}}
+ ~ curl -X POST -d '{"pname":"BBBBB","pmanager":"ZZZZ"}' http://localhost:9090/webapi/v1/project
{"status":200,"data":{"pname":"BBBBB","pmanager":"ZZZZ"}}
+ ~ curl -X GET http://localhost:9090/webapi/v1/project/1
{"status":200,"data":{"pid":1,"pname":"ABC","pmanager":"XYZ"}}
+ ~
```

# POST

The screenshot displays three terminal windows. The top window, titled 'Terminal - go run main.go', shows the execution of a REST API client. It logs a POST request at 05:34:26 and another POST request at 05:34:45. The second POST request to 'http://localhost:9090/webapi/v1/project' returns a 200 status with 58B of data in 56.468452ms. The middle window, titled 'Terminal - mysql -u resapi\_rw -p', shows a SQL query 'select \* from project;' which returns two rows: (1, ABC, XYZ) and (2, BBBB, ZZZZ). The bottom window, titled 'Terminal - unknown@unknown: ~', shows the curl commands used to interact with the API, including the second POST request that corresponds to the log in the top window.

```
Terminal - go run main.go
+ rest-api git:(master) x go run main.go
2020/04/11 05:34:26 "POST http://localhost:9090/webapi/v1/project HTTP/1.1" from 127.0.0.1:54072 - 200 54B in 52.614738ms
2020/04/11 05:34:45 "POST http://localhost:9090/webapi/v1/project HTTP/1.1" from 127.0.0.1:54074 - 200 58B in 56.468452ms

Terminal - mysql -u resapi_rw -p
mysql> select * from project;
+----+-----+-----+
| pid | pname | pmanager |
+----+-----+-----+
| 1   | ABC   | XYZ      |
| 2   | BBBB  | ZZZZ     |
+----+-----+-----+
2 rows in set (0.00 sec)

mysql>

Terminal - unknown@unknown: ~
+ ~ curl -X POST -d '{"pname":"ABC","pmanager":"XYZ"}' http://localhost:9090/webapi/v1/project
{"status":200,"data":{"pname":"ABC","pmanager":"XYZ"}}
+ ~ curl -X POST -d '{"pname":"BBBBB","pmanager":"ZZZZ"}' http://localhost:9090/webapi/v1/project
{"status":200,"data":{"pname":"BBBBB","pmanager":"ZZZZ"}}
+ ~
```

# PUT

```
Terminal - go run main.go
+ rest-api git:(master) x go run main.go
2020/04/11 05:34:26 "POST http://localhost:9090/webapi/v1/project HTTP/1.1" from 127.0.0.1:54072 - 200 54B in 52.614738ms
2020/04/11 05:34:45 "POST http://localhost:9090/webapi/v1/project HTTP/1.1" from 127.0.0.1:54074 - 200 58B in 56.468452ms
2020/04/11 05:35:35 "GET http://localhost:9090/webapi/v1/project/1 HTTP/1.1" from 127.0.0.1:54076 - 200 62B in 618.18µs
2020/04/11 05:37:01 "PUT http://localhost:9090/webapi/v1/project/1 HTTP/1.1" from 127.0.0.1:54080 - 200 66B in 58.227805ms

Terminal - mysql -u resapi_rw -p
mysql> select * from project;
+-----+-----+-----+
| pid | pname | pmanager |
+-----+-----+-----+
| 1 | AAAAA | YYYYY |
| 2 | BBBB | ZZZZ |
+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>

Terminal - unknown@unknown: ~
+ ~ curl -X POST -d '{"pname":"ABC","pmanager":"XYZ"}' http://localhost:9090/webapi/v1/project
{"status":200,"data":{"pname":"ABC","pmanager":"XYZ"}}
+ ~ curl -X POST -d '{"pname":"BBBBB","pmanager":"ZZZZ"}' http://localhost:9090/webapi/v1/project
{"status":200,"data":{"pname":"BBBBB","pmanager":"ZZZZ"}}
+ ~ curl -X GET http://localhost:9090/webapi/v1/project/1
{"status":200,"data":{"pid":1,"pname":"ABC","pmanager":"XYZ"}}
+ ~ curl -X PUT -d '{"pname":"AAAAA","pmanager":"YYYYY"}' http://localhost:9090/webapi/v1/project/1
{"status":200,"data":{"pid":1,"pname":"AAAAA","pmanager":"YYYYY"}}
+ ~
```

# DELETE

```
Terminal - go run main.go
+ rest-api git:(master) x go run main.go
2020/04/11 05:34:26 "POST http://localhost:9090/webapi/v1/project HTTP/1.1" from 127.0.0.1:54072 - 200 54B in 52.614738ms
2020/04/11 05:34:45 "POST http://localhost:9090/webapi/v1/project HTTP/1.1" from 127.0.0.1:54074 - 200 58B in 56.468452ms
2020/04/11 05:35:35 "GET http://localhost:9090/webapi/v1/project/1 HTTP/1.1" from 127.0.0.1:54076 - 200 62B in 618.18µs
2020/04/11 05:37:01 "PUT http://localhost:9090/webapi/v1/project/1 HTTP/1.1" from 127.0.0.1:54080 - 200 66B in 58.227805ms
2020/04/11 05:37:48 "DELETE http://localhost:9090/webapi/v1/project/2 HTTP/1.1" from 127.0.0.1:54082 - 200 52B in 58.477128ms

Terminal - mysql -u resapi_rw -p
mysql> select * from project;
+-----+-----+-----+
| pid | pname | pmanager |
+-----+-----+-----+
| 1 | AAAAA | YYYYY |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql>

Terminal - unknown@unknown: ~
+ ~ curl -X POST -d '{"pname":"ABC","pmanager":"XYZ"}' http://localhost:9090/webapi/v1/project
{"status":200,"data":{"pname":"ABC","pmanager":"XYZ"}}
+ ~ curl -X POST -d '{"pname":"BBBBB","pmanager":"ZZZZ"}' http://localhost:9090/webapi/v1/project
{"status":200,"data":{"pname":"BBBBB","pmanager":"ZZZZ"}}
+ ~ curl -X GET http://localhost:9090/webapi/v1/project/1
{"status":200,"data":{"pid":1,"pname":"ABC","pmanager":"XYZ"}}
+ ~ curl -X PUT -d '{"pname":"AAAAA","pmanager":"YYYYY"}' http://localhost:9090/webapi/v1/project/1
{"status":200,"data":{"pid":1,"pname":"AAAAA","pmanager":"YYYYY"}}
+ ~ curl -X DELETE http://localhost:9090/webapi/v1/project/2
{"status":200,"data":"subject deleted successfully"}
+ ~
```